

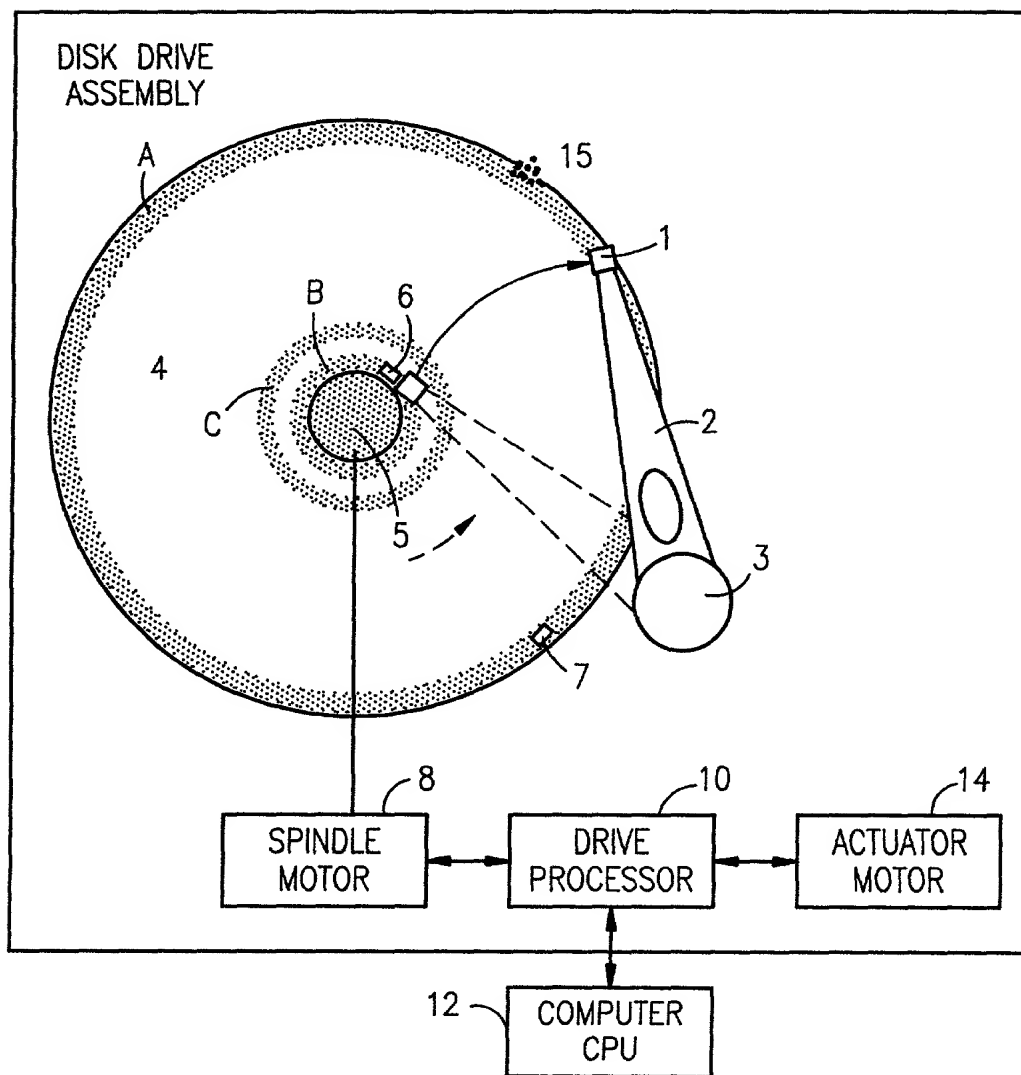
[illegible][illegible]

FIG. 2

DUAL ACCESS READ—NO LATENCY

TYPICAL DISK READ ACCESS

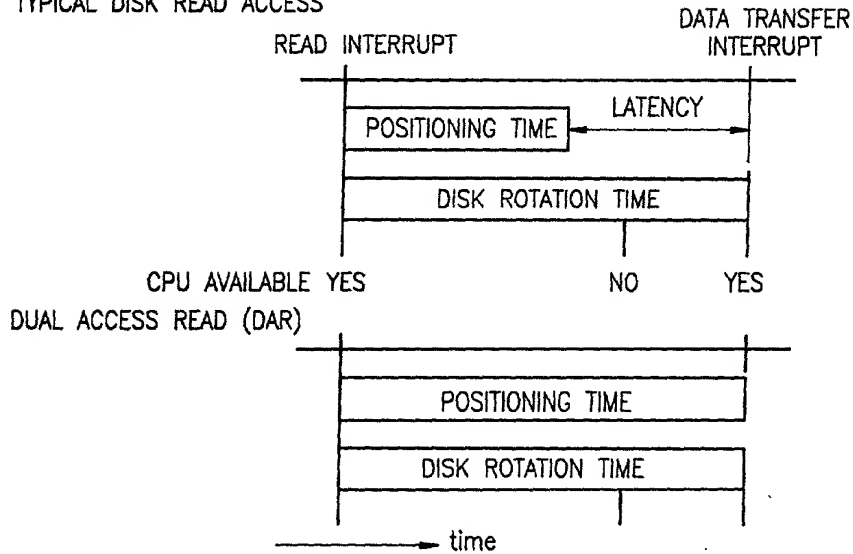
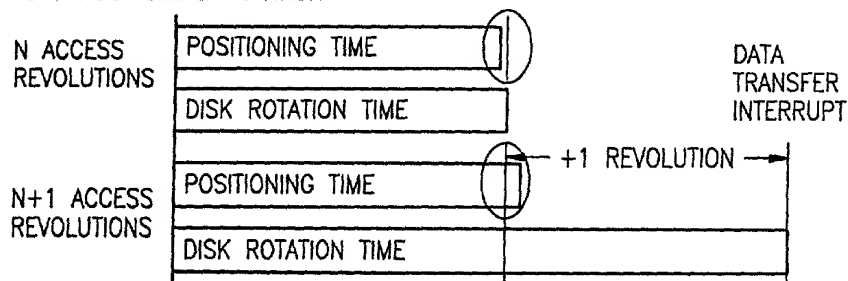


FIG. 3

AMPLIFYING POSITIONING VARIANCE—MEASURE REVOLUTION TIME

CASE 1 POSITIONING < ROTATION



CASE 2 POSITIONING > ROTATION

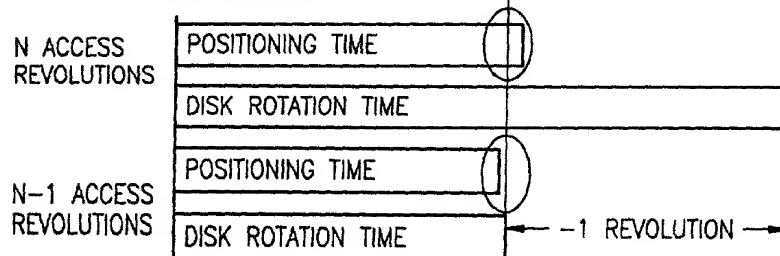
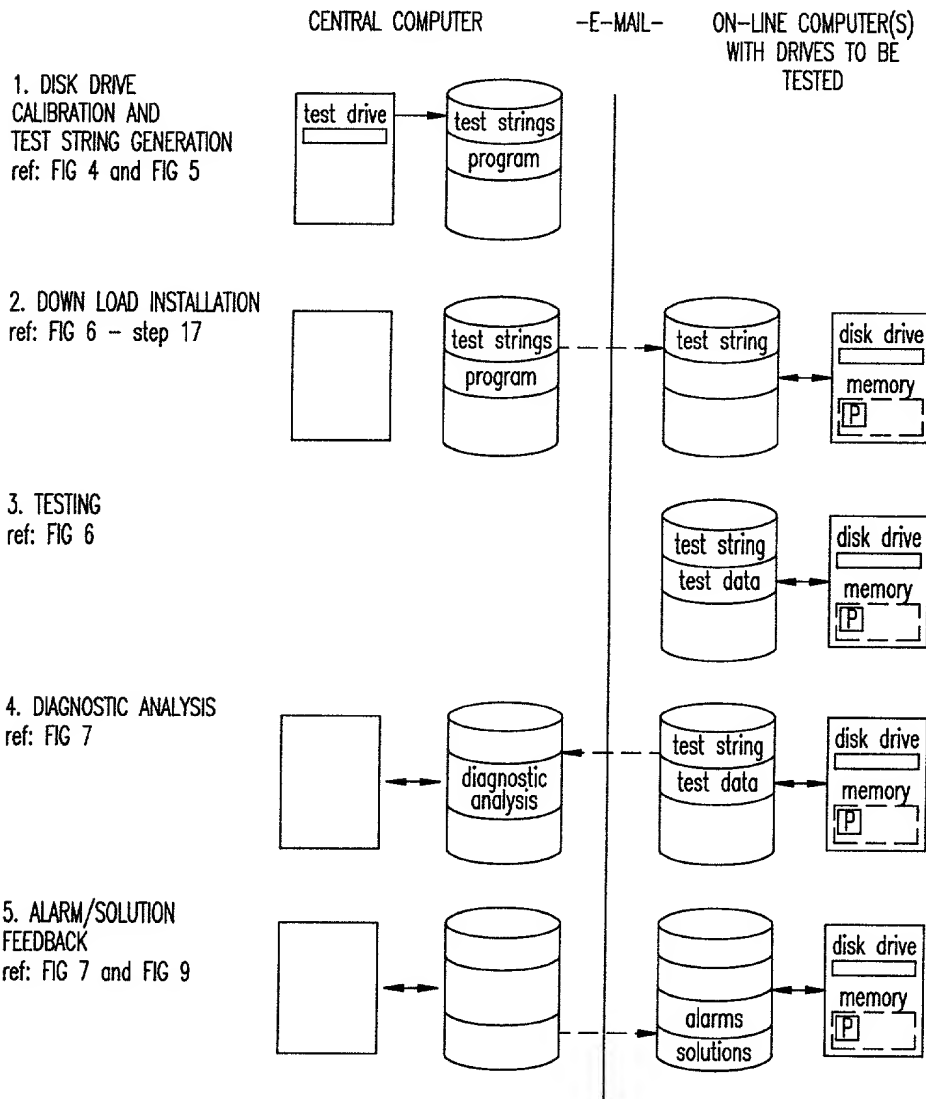


FIG. 3a PREFERRED EMBODIMENT

FOR PROVIDERS OF WARRANTY SERVICE AND
REPLACEMENT COMPUTER PRODUCTS



093463-04401

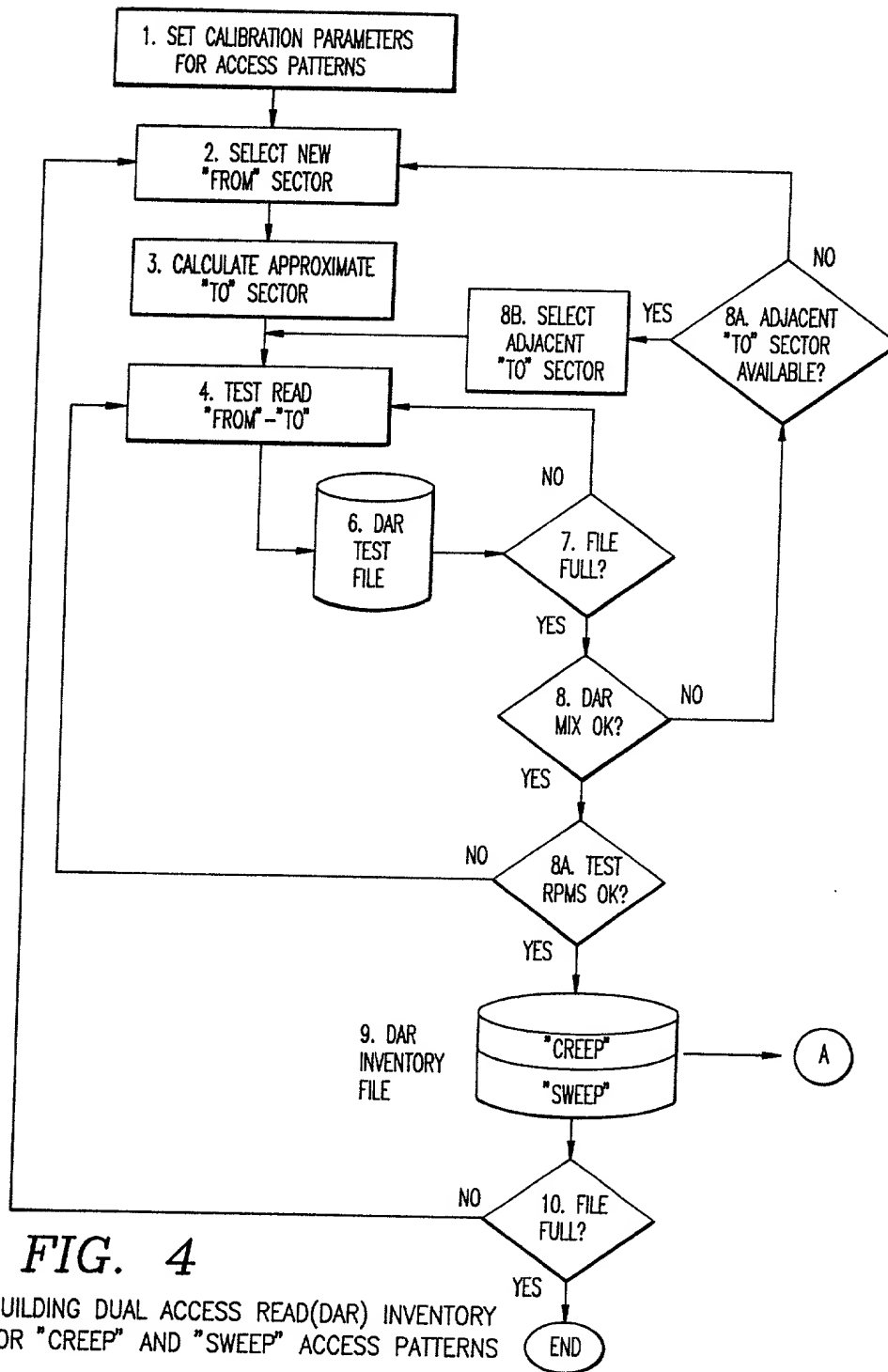
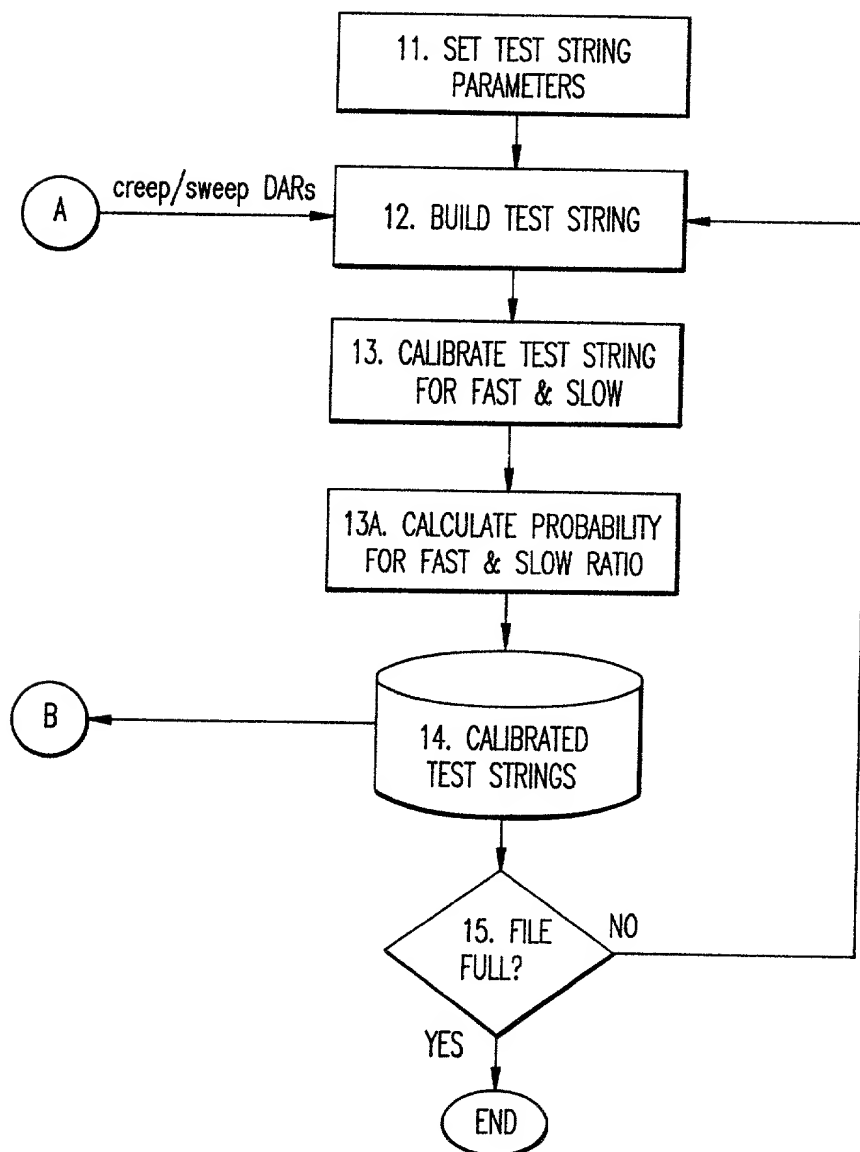


FIG. 4

BUILDING DUAL ACCESS READ(DAR) INVENTORY FOR "CREEP" AND "SWEEP" ACCESS PATTERNS

FIG. 5

GENERATING AND CALIBRATING READ TEST STRINGS



0903955-08404
10430-5355-860

FIG. 6

TEST DATA ACQUISITION

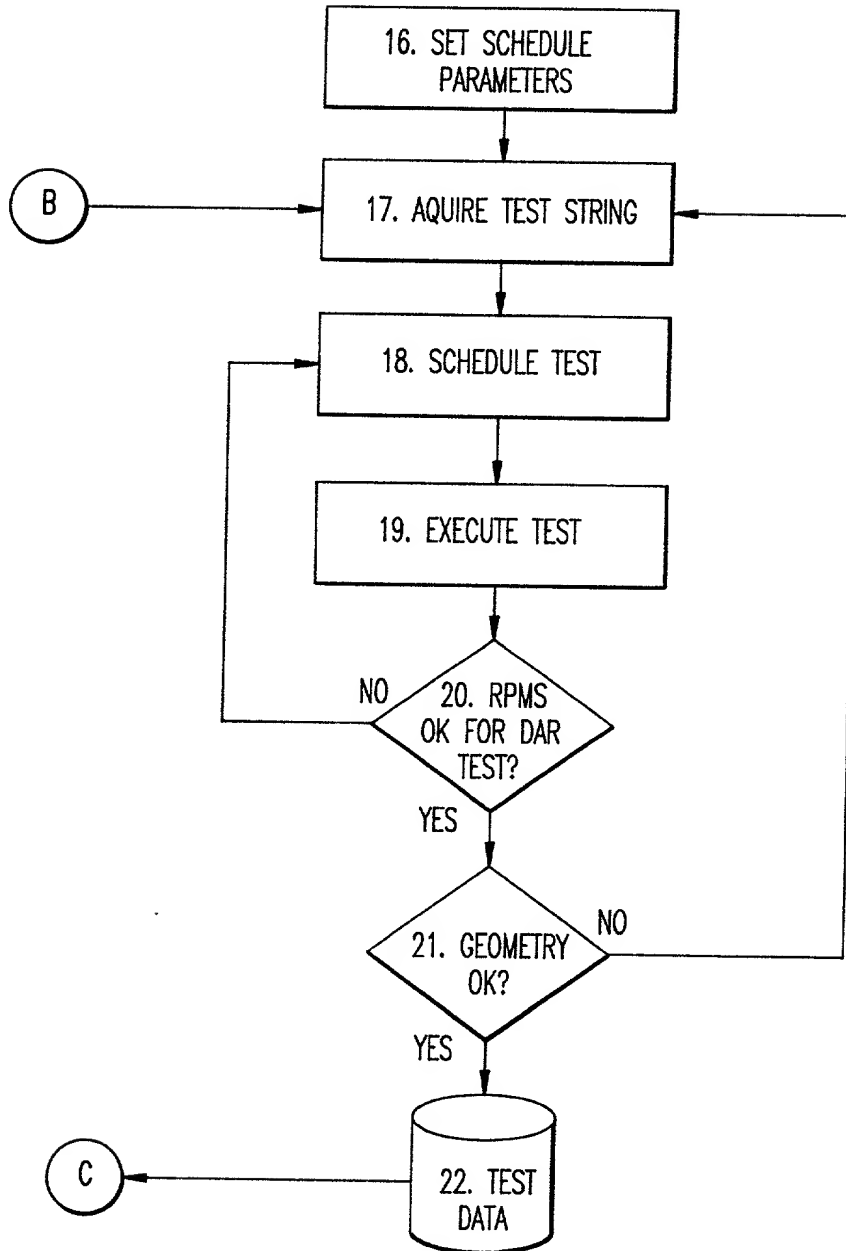
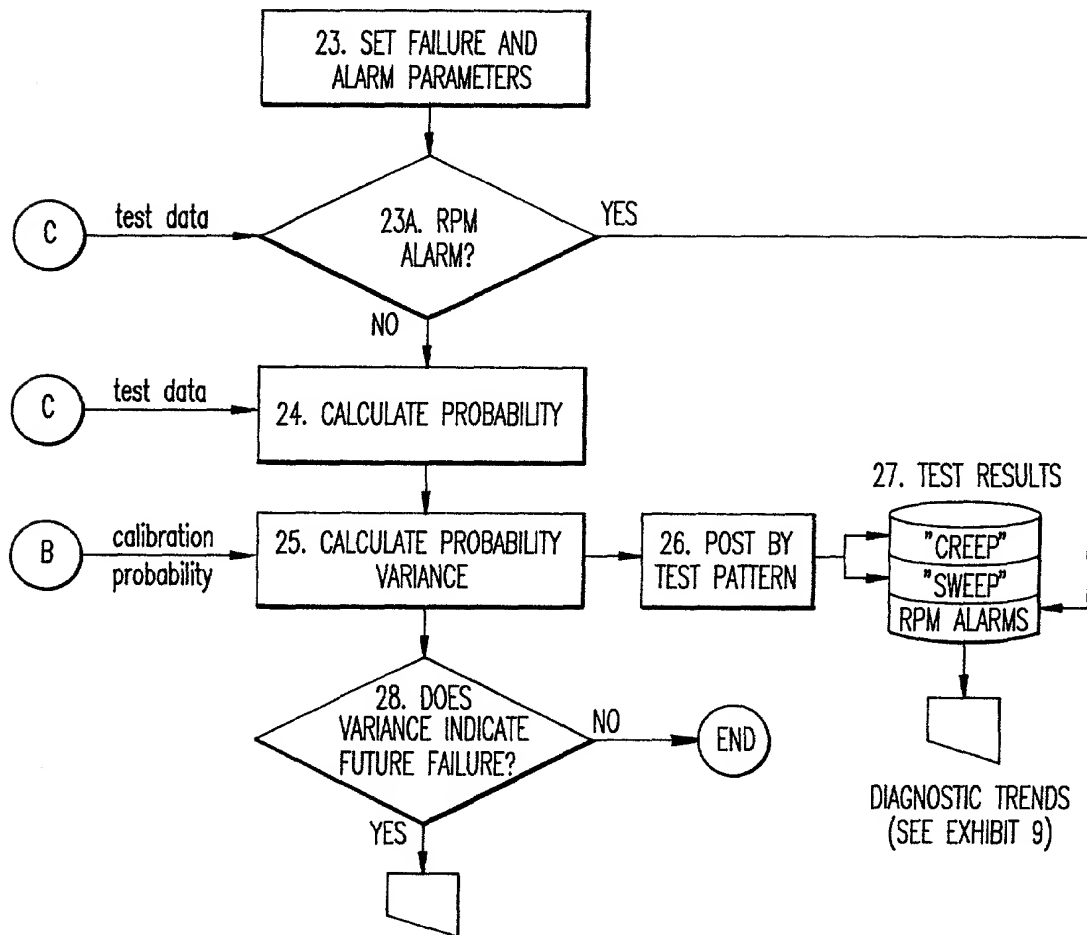


FIG. 7

TEST ANALYSIS AND FAULT SOLUTIONS



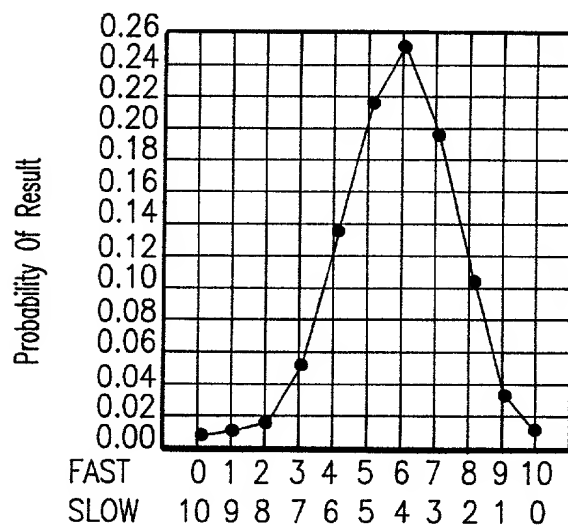
ALARMS & FAULT SOLUTIONS

- *Backup Files
- *Replace Drive
- *Inspect Drive At Computer Store
- *Replace Computer

093955 084401

FIG. 8

PROBABILITY OF 10-DAR MEASUREMENT
READ CALIBRATION: 58% FAST, 42% SLOW



The probability sum of the 11 possible outcomes is 100%

FIG. 9

DIAGNOSTIC DRIVE RELIABILITY TRENDS

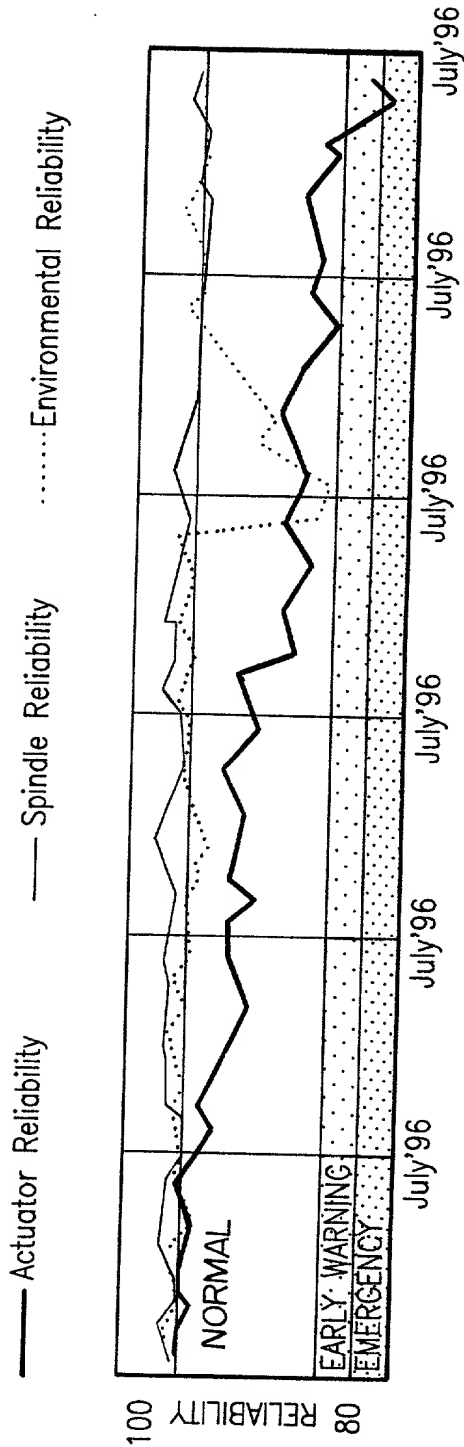


FIG. 10

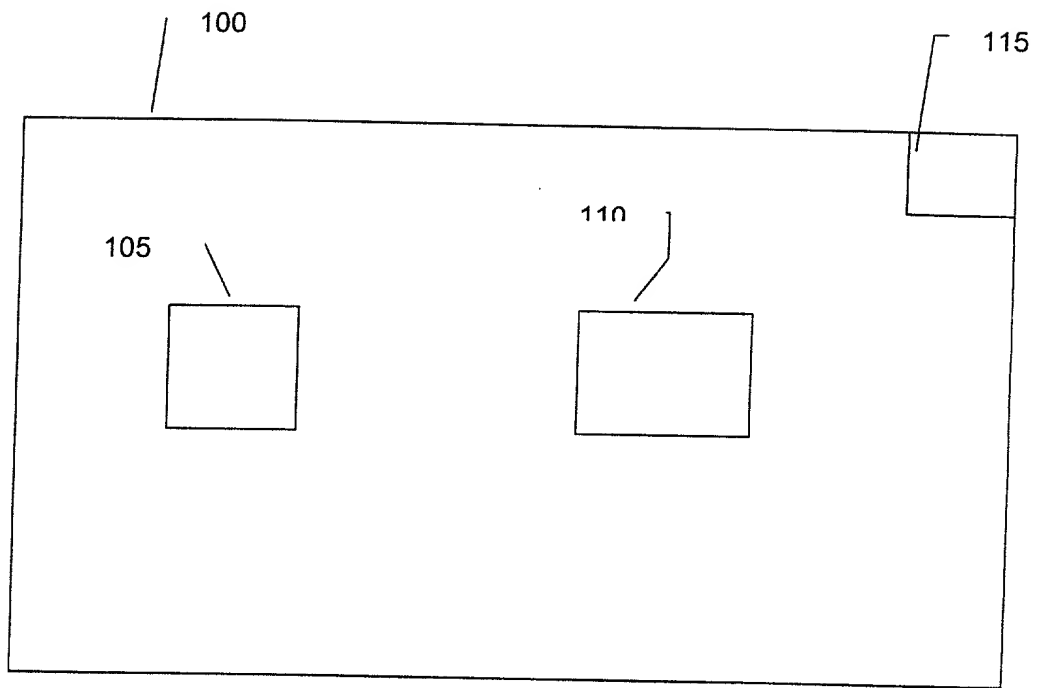


FIGURE 10

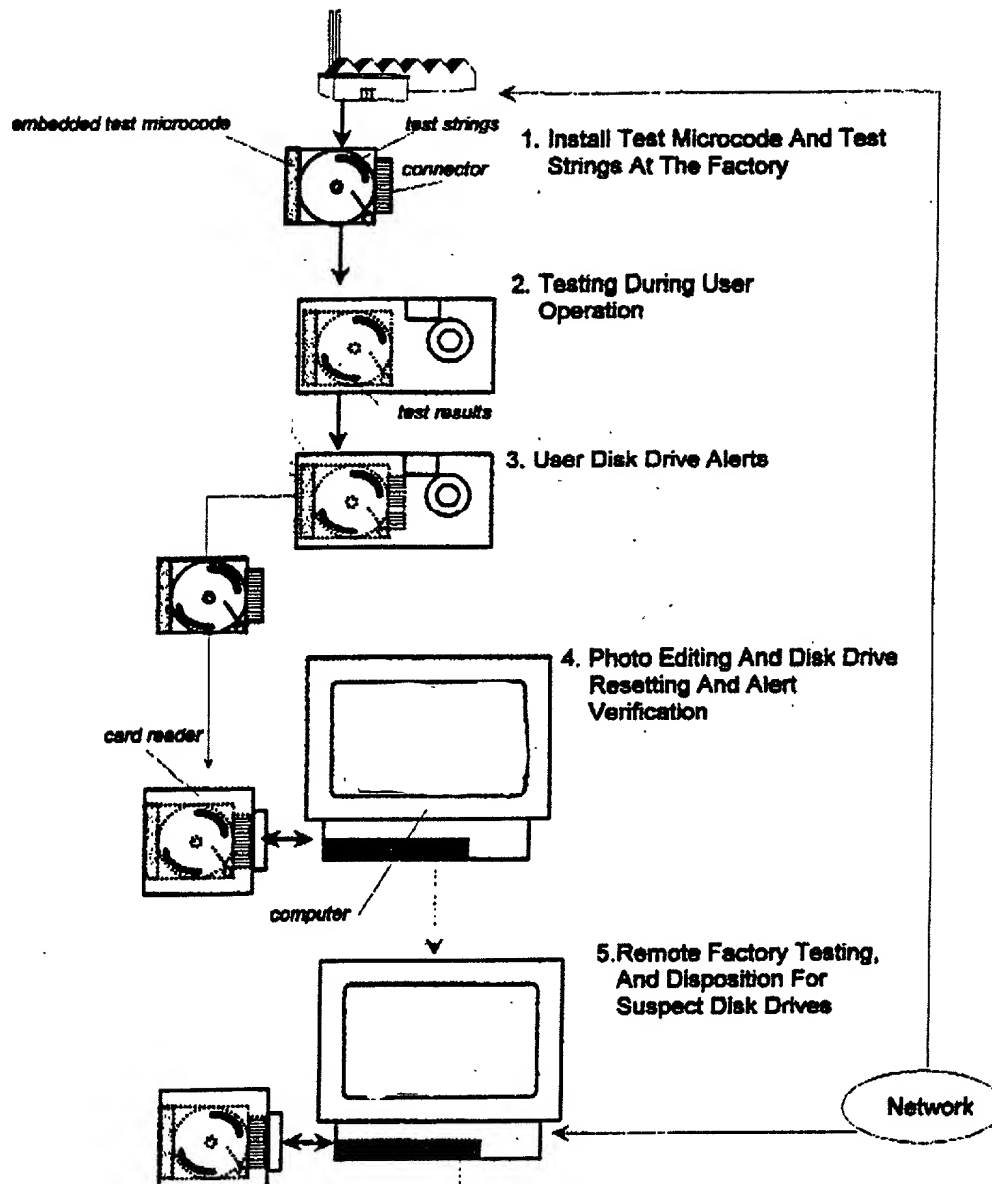


FIGURE 11

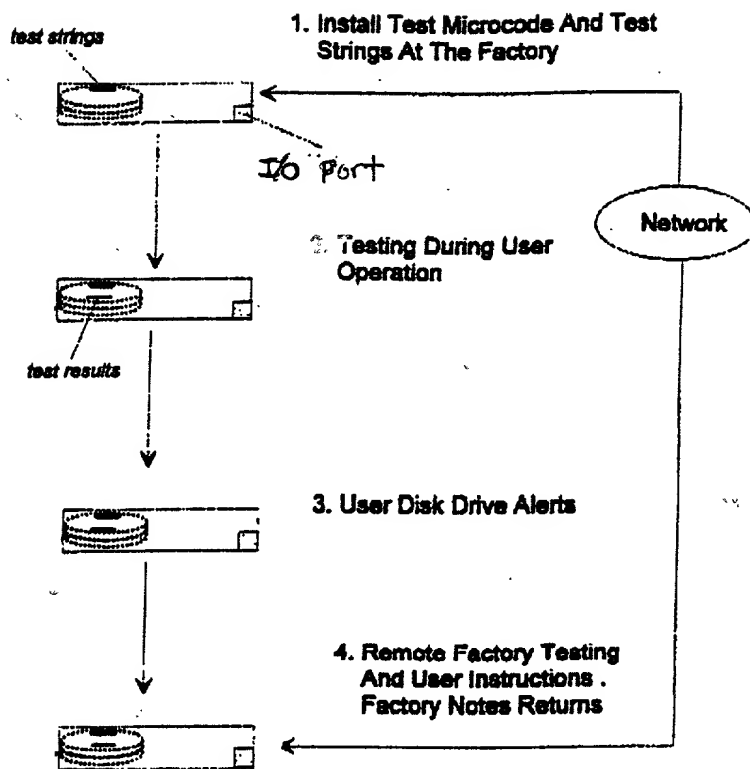


FIGURE 12